M/053/005

Tenneco Minerals
A Tenneco Company

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TENNECO

* See NOI for maps

DOGM
MINERALS PROGRAM
FILE COPY

September 6, 1991

RECEIVED
SEP 20 1991
DIVISION OF
OIL GAS & MINING

Mr. Holland Shepherd
Senior Reclamation Specialist
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Reference: Plan for Upgrading Sedimentation Structure

Dear Mr. Shepherd:

Thank you for your letter on August 28, 1991 (Review of Plans to Upgrade Sedimentation Structure). I apologize for the inconsistencies and have enclosed two "clean" plates that will hopefully be less confusing.

As to your questions:

1. The dam elevation is 4,785 feet.

2. The revised spillway has been raised 5 feet by placing compacted fill to the elevation 4,780 feet.

3. The clay layer is shown as 3 feet.

4. The final pond capacity is 24.2 acre-feet.

5. The design discharge capacity of the spillway is 140 cfs at a channel depth of 1.9' (this leaves a 3.1' freeboard).

6. Since the keycut is made at the fill/natural bedrock interface, both consolidated and unconsolidated material will be keyed into. The depth of keycut will be 3 feet with 3 feet of clay placed as fill in the keycut.

Our geotechnical engineer, George Toland, recommended a 2-foot thickness of clay fill to be placed on the dam face. Anticipating the very concern you elicited regarding material types the clay would be placed against, TMC increased the compacted fill thickness to 3 feet.

The added thickness will alleviate this concern.

Thank you for your letter and please advise me of any additional concerns.

Sincerely,

TENNECO MINERALS COMPANY

Ken A. Kluksdahl
Mine Manager

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Enclosure: